Index of Claims



| A | ppl | licatio | n/Coi | ntrol | No. |
|---|-----|---------|-------|-------|-----|
|---|-----|---------|-------|-------|-----|

10/575,455 Examiner

Lynn Bristol

Date

Applicant(s)/Patent under Reexamination

NISHIMOTO ET AL.

Art Unit

1643

| √  | Rejected |
|----|----------|
| II | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Claim

Restricted

| <br>N | Non-Elected  |
|-------|--------------|
| -     | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim |   | Date                                     |  |  |  |  |  |  |  |                         |  |
|-------|---|--|--|--|--|--|--|--|--|-------------------------|--|
|       |   |  | П  | T  | T  | Ť  | Τ  | Т  | Т  |                         |  |
| Final | Original  | 12/3/07                                  |  |  |  |  |  |  |  |                         |  |
|       | 1<br>2<br>3<br>4<br>5   | ファ |  |  |  |  |  |  |  |                         |  |
|       | 2   | 1  |  |  | Γ.   |  | П  | П  | П  | П                       |  |
|       | 3   | 1  |  |  |  |  |  |  | ŀ  | T                       |  |
|       | 4   | 1  | T  |  | 1  | T  |  |  | 1  | $\vdash$                |  |
|       | 5   | V  |  |  | İ  | T  |  |  | 1  |                         |  |
|       | 6   | V  | $\vdash$   | _  | 1  | $\vdash$   | T  | 1  | t  |                         |  |
|       | 6<br>7  | 1  | _  | $\vdash$   |  | T  | 1  | $\top$   | T  |                         |  |
|       | 8   | 1  |  |  |  | Τ-   |  | 1  | 1  | <b> </b>                |  |
|       | 9   | 1  |  |  | T  |  | t  | T  |  |                         |  |
|       | 10  | 1  |  | $\vdash$   | t  | H  | $\vdash$   | $\vdash$   | $\vdash$   | 1                       |  |
|       | 11  | 1  |  | 1  | ┢  | ╁  | ╁  | $\vdash$   | $\vdash$   | H                       |  |
|       | 12  | 1  | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | t  | $\vdash$   | <del>                                     </del> | Н                       |  |
|       | 13  | 1  |  |  | <del>                                     </del> | 1  | 1  |  | T  | Н                       |  |
|       | 14  | V  |  | <del>                                     </del> | 1  | $\vdash$   | <del>                                     </del> | T  | $\vdash$   | Н                       |  |
|       | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27 | V  |  |  | T  | $\vdash$   | 1-   | <b>†</b>   | <del>                                     </del> | $\dagger \lnot \dagger$ |  |
|       | 16  | Ī  | Т  |  | $\vdash$   | $\vdash$   | <del>                                     </del> | 1-   | <del> </del>                                     | $\vdash$                |  |
|       | 17  | Ì  | $\vdash$   |  | $\vdash$   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | 1  | $\vdash$                |  |
|       | 18  | j  |  |  | H  | <del> </del>                                     | ╆  | -  | ┢  | ┼                       |  |
|       | 19  | 7  |  |  |  | ┢  | -  |  | ├  | ┢╾┪                     |  |
|       | 20  | ij                                       |  | ┢  | _  | <del> </del>                                     |  | $\vdash$   |  | H                       |  |
|       | 21  | 7  |  | $\vdash$   | -  | _  | -  | _  | ╁  | Н                       |  |
|       | 22  | 7  |  | <del>                                     </del> |  |  | -  |  | $\vdash$   |                         |  |
|       | 23  | 1  |  |  |  | <del>                                     </del> | 1  | _  | $\vdash$   | H                       |  |
|       | 24  | Ť  |  |  |  |  |  | -  | _  | $\vdash$                |  |
|       | 25  | Ť  |  | -  | $\vdash$   |  | $\vdash$   | ┰  |  | $\vdash$                |  |
|       | 26  |  | _  |  |  | <del>                                     </del> | _  | ┪  | T  | П                       |  |
|       | 27  |  |  |  | $\vdash$   | -  | 1  | <del>                                     </del> | $\vdash$   | Н                       |  |
|       | 28  |  | _  | $\overline{}$                                    |  |  | ┪  |  | İ  | П                       |  |
|       | 29  |  |  |  |  | 1  | Г  |  | _  | П                       |  |
|       | 30  |  |  |  | Г  | -  |  |  |  |                         |  |
|       | 31  |  |  |  |  |  |  |  |  |                         |  |
|       | 32  | $\Box$                                   |  |  |  |  |  |  | -  | H                       |  |
|       | 33  |  |  |  |  |  | İ  |  | $\vdash$   | _                       |  |
|       | 28<br>29<br>30<br>31<br>32<br>33<br>34<br>35  | П  |  |  |  | <u> </u>   |  |  |  |                         |  |
|       | 35  |  |  |  |  |  |  | T  | Γ  | П                       |  |
|       | 36  |  |  |  | <u> </u>   |  |  |  |  | П                       |  |
|       | 36<br>37  |  |  |  |  |  | T  | Г  |  | П                       |  |
|       | 38  |  |  |  |  |  | Γ  |  |  | П                       |  |
|       | 39  |  |  |  |  | Г  |  | $\vdash$   |  | П                       |  |
|       | 39<br>40  |  |  |  |  | Г  | _  |  |  | П                       |  |
|       | 41  |  |  |  |  |  |  |  |  | П                       |  |
|       | 42  |  | $\neg$   |  |  |  |  |  |  | П                       |  |
|       | 43  |  |  |  |  |  |  |  | <u> </u>   | П                       |  |
|       | 44  |  | $\neg$   |  |  |  |  |  |  | П                       |  |
|       | 45  | $\dashv$                                 | $\neg$   |  |  | Г  |  |  |  | П                       |  |
|       | 46  |  | T  |  |  |  |  |  |  | $\neg$                  |  |
|       | 47  | $\neg$                                   |  |  |  |  |  |  |  | П                       |  |
| T     | 48  | $\neg$                                   |  |  |  |  |  |  |  | П                       |  |
|       | 49  | $\dashv$                                 |  |  |  |  |  |  | П  | М                       |  |
|       | 50  | $\neg$                                   |  |  |  |  |  |  |  |                         |  |
|       |   | _  |  |  |  |  |  |  |  |                         |  |

|     | ŭ     | 31111          | ┶  |  | , .  |              | Dai  | <del>-</del>                                     |          |              |          |
|-----|-------|----------------|--|--|--|--------------|--|--|----------|--------------|----------|
|     | Final | Original       |  |  |  |              |  |  |          |              |          |
|     |       | 51<br>52       | Τ  | T  |  |              |  | 厂  |          |              |          |
|     |       | 52             | П  |  | Г  |              |  |  |          |              |          |
|     |       | 53             | Π  |  |  | Т            |  |  | Г        | Г            | Г        |
|     |       | 54             |  | T  |  | T            | 1  |  |          | t            | Г        |
|     |       | 54<br>55       | Ì  | T  | T  | -            |  | İ  | T        | <b>—</b>     | <u> </u> |
|     |       | 56             | 1  | 1  | ऻ  |              | T  |  | -        |              | ⇈        |
|     |       | 57             | $\vdash$   | 1-   | †  |              | _  | 1  | _        | $\vdash$     |          |
| -   |       | 57<br>58       |  | 1  | t  |              |  |  |          | Т            | $\vdash$ |
| 1   |       | 59             | $\vdash$   | 1  | $\vdash$   | 1            | T  |  | 1        | Т            | Т        |
| ١   |       | 60             | $\vdash$   | 一  | H  |              | $\vdash$   |  |          | ┢            | ┢        |
| 1   |       | 60<br>61       | ╁┈   | <del>                                     </del> | ┢  | ╁            | $\vdash$   |  | $\vdash$ | $\vdash$     | $\vdash$ |
| 1   |       | 62             | $\vdash$   | -  | <del>                                     </del> | <del> </del> | ╁  | -  | ┢        | _            | ┢        |
| 1   |       | 63             | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | ┼            | _  | <del> </del>                                     | ┢        | ┢            | $\vdash$ |
| ŀ   |       | 63<br>64       | ╁  | ╁╌   | ┼  | ├            | ╁  | <del>                                     </del> | _        |              | ┢        |
| ŀ   |       | 65             | ┢  | t  | $\vdash$   | -            | <del> </del>                                     | -  | -        | _            | $\vdash$ |
| ł   |       | 66             | ╁  | $\vdash$   | ┢  | $\vdash$     | <del>                                     </del> |  | $\vdash$ | _            | $\vdash$ |
| ł   |       | 67             | <u> </u>   | ╁┈   | ╁╾   | ┢            | ┢  | $\vdash$   | $\vdash$ | _            | $\vdash$ |
| 1   |       | 68             | ╁  | <del> </del>                                     | ╫─   | ╁            | ┝  | $\vdash$   | H        | <del> </del> | -        |
| ł   |       | 69             | ╁  | -  | ╁╾   | ┢            | -  | -  | -        | $\vdash$     | -        |
| ŀ   |       | 70             | -  | <del> </del>                                     | ⊢  | ╁            | $\vdash$   | -  |          |              | $\vdash$ |
| ŀ   |       | 71             |  | -  | ├  | ├            | ┢  |  |          |              | ├        |
| ŀ   |       | 71<br>72<br>73 |  |  |  | -            | <del> </del> —                                   | -  | H        |              | ┢        |
| ŀ   |       | 72             | _  |  | ┢  | -            | ⊢  | -  | -        |              | -        |
| ł   |       | 74             | <del> </del>                                     | ├—   | ┢  |              | ⊢  | <u> </u>   | _        | -            | ├—       |
| ŀ   |       | 74<br>75       | -  |  | ┢  |              | -  | _  |          |              | -        |
| ł   |       | 76             | ├  | -  |  | -            | $\vdash$   | $\vdash$   |          |              | ⊢        |
| ŀ   |       | 76<br>77       | -  | ┢  | -  | -            | ┢  | H  |          |              |          |
| ŀ   |       | 79             |  | $\vdash$   | $\vdash$   | ╌            | $\vdash$   | -  |          | _            |          |
| ŀ   | -     | 78<br>79       | $\vdash$   | -  |  | -            | -  | H  |          |              |          |
| ŀ   |       | 80             | ┢  | -  |  |              |  | ┝╌   | -        | _            | -        |
| ŀ   |       | 81             |  | -  | -  | $\vdash$     |  | -  |          | -            |          |
| ŀ   |       | 92             | ┢  | -  |  |              | _  |  | _        | $\vdash$     |          |
| ł   |       | 82<br>83       | -  | ┝  | $\vdash$   | ├            | -  | _  |          |              |          |
| ŀ   |       | 84             | ⊢  | -  | -  | -            |  |  |          | -            |          |
| ŀ   |       | 85             | -  |  | $\vdash$   | -            |  |  |          |              | $\vdash$ |
| ŀ   |       | 86             |  | -  | -  | -            |  |  | _        |              |          |
| ŀ   |       | 87             | _  |  | <del> </del>                                     | <del> </del> |  | _  | _        |              | <u> </u> |
| ŀ   |       | 99             |  | _  | -  | -            | _  |  |          |              |          |
| ŀ   |       | 88<br>89       |  |  | ├─   | -            | -  |  |          |              |          |
| ł   |       | 90             |  |  | -  | ├            | -  |  |          | _            |          |
| ŀ   |       | 91             | -  | ⊢  | -  | $\vdash$     | $\vdash$   |  |          |              |          |
| ŀ   |       | 92             | -  | -  | ┝  |              | -  |  |          |              |          |
| ŀ   |       | 93             | ┝  | _  | -  |              |  |  |          |              |          |
| ŀ   |       | 94             | -  | <del> </del>                                     | <del> </del>                                     |              | _  |  |          |              |          |
| ŀ   | _     | 95             |  | _  | -  | -            | -  |  |          |              | _        |
| ŀ   |       | 96             | -  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash \vdash$                                  |          |              |          |
| ŀ   |       | 97             | $\vdash$   | $\vdash$   | -  | $\vdash$     | $\vdash$   | $\vdash$   |          | -            |          |
| H   | -     | 98             |  |  | -  |              | $\vdash$   |  |          | -            | <u> </u> |
| ŀ   |       | 99             | $\vdash$   | <u> </u>   | -  | $\vdash$     | Н  | $\vdash$   | -        | $\dashv$     | <u> </u> |
| ŀ   |       | 100            | $\vdash$   | <u> </u>   | $\vdash$   | <del> </del> | $\vdash$   |  | -        | $\dashv$     |          |
| - 1 | i     | 100            |  | 1  | 1 :  |              |  |  |          |              |          |

| CI                     | Date  |  |  |  |  |  |  |              |              |  |
|------------------------|---|--|--|--|--|--|--|--------------|--------------|--|
|                        |   |  |  |  |  |  |  |              |              |  |
| <u> </u>               | Original  |  | l  |  |  |  |  |              |              | ]  |
| Final                  | ij  | l  |  |  |  |  |  |              | 1            | ì  |
|                        | 0   |  |  | -  |  |  |  |              |              |  |
| <b>——</b>              | 101   | 1  | <del>                                     </del> | ╁  | <del>                                     </del> | T  |  | T            |              |  |
|                        | 101<br>102  | <b>!</b>   | t  | t  | T  | t  |  | ✝            | H            |  |
|                        | 103   | ├──  | $\vdash$   | ┼─   | <del> </del>                                     | ┢  | H  | $\vdash$     | <del> </del> | <del>                                     </del> |
|                        | 104   | ┢  | $\vdash$   | ╁  | ┢  |  | -  | -            | $\vdash$     | -  |
|                        | 104<br>105  | $\vdash$   |  | 1  | $\vdash$   | $\vdash$   |  | $\vdash$     | $\vdash$     | t  |
|                        | 106   | ┢  | <del>                                     </del> | H  | $\vdash$   | ┢  | H  | ┢            | <u> </u>     | t  |
|                        | 106<br>107  | $\vdash$   | <del>                                     </del> | <del> </del>                                     | $\vdash$   | $\vdash$   |  | $\vdash$     | ┢            | <del>                                     </del> |
|                        | 108   | H  | $\vdash$   | H  | ╁  | $\vdash$   | $\vdash$   | ✝            | $\vdash$     | $\vdash$   |
|                        | 109   |  | <del> </del>                                     | $\vdash$   | <u> </u>   | <del>                                     </del> | <del>                                     </del> | ╁            |              |  |
| -                      | 110   |  | ╁  | ┢  | ╁  | $\vdash$   | $\vdash$   | ╁            | $\vdash$     | ┢┈   |
| <u> </u>               | 109<br>110<br>111   | -  | ╁  | ┢  | <del>                                     </del> | ┢  | ├-   | ╁            | ┢            | $\vdash$   |
| $\vdash$               | 112   | <del>                                     </del> |  | <del>                                     </del> | <del> </del>                                     | -  | <del>                                     </del> | <del> </del> | <del> </del> | $\vdash$   |
| $\vdash$               | 112<br>113  | <del>                                     </del> | -  | $\vdash$   | <del> </del>                                     | <del> </del>                                     | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   |
|                        | 114   | $\vdash$   | +-   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$     |              | $\vdash$   |
| $\vdash$               | 114<br>115  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   |              |              | $\vdash$   |
|                        | 116   | ├  | <del>  -</del>                                   | ╁  | <del> </del>                                     | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | H  |
| <b></b>                | 117   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   |  | $\vdash$   | <del> </del> | Ι            | ╁  |
|                        | 117<br>118  | -  | ┥  | ┢  | $\vdash$   | _  |  |              | -            | ╁  |
|                        | 119   | -  | H  | ⊢  | $\vdash$   | $\vdash$   | -  | <del> </del> | ├            | -  |
|                        | 120   |  |  | ⊢  | -  | $\vdash$   |  | $\vdash$     | $\vdash$     |  |
|                        | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | _  | <del>                                     </del> | ├  |  | ├  |  | $\vdash$     | <del> </del> | Н  |
| -                      | 122   | -  |  |  | ┢  | <del> </del>                                     |  | -            | -            | $\vdash$   |
| $\vdash$               | 122   | ┢  | -  | -  | -  | ├  | ┝  | $\vdash$     |              | $\vdash$   |
|                        | 124   | -  | $\vdash$   |  | -  |  | <del> </del>                                     | $\vdash$     | _            | Н  |
|                        | 125   | -  | $\vdash$   | $\vdash$   | -  |  |  | ┝            | _            | Н  |
|                        | 126   | $\vdash$   | $\vdash$   | -  | -  | -  | <del> </del>                                     | ┝            |              | Н  |
|                        | 127   | ┢  | -  |  |  | -  | ├  | $\vdash$     |              | Н  |
| ┝─┤                    | 128   |  | -  |  |  |  | -  | -            |              | Н  |
|                        | 120   |  | -  |  | _  | $\vdash$   | $\vdash$   | -            | -            | Н  |
|                        | 130   |  | -  | ├─   |  | H  | _  |              | ┢            | Н  |
| $\vdash$               | 131   |  | H  | -  |  | $\vdash$   | $\vdash$   |              | $\vdash$     | Н  |
| $\vdash$               | 131<br>132<br>133   |  |  | -  | _  | $\vdash$   | $\vdash$   | -            | -            | $\vdash$   |
|                        | 132   |  | -  | -  | ├  | ├  | _  |              | $\vdash$     | Н  |
| $\vdash$               | 134   | <del> </del>                                     | $\vdash$   | $\vdash$   | $\vdash$   | <del> </del>                                     | -  | <del> </del> | $\vdash$     | Н  |
| $\vdash \vdash \vdash$ | 134<br>135  |  | $\vdash$   | $\vdash$   | -  | ┝─┤  | $\vdash$   | -            | $\vdash$     | H  |
| $\vdash$               | 136   | <del> </del>                                     | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   |
| $\vdash \vdash \vdash$ | 137   |  |  | <del>  -</del>                                   | $\vdash$   | $\vdash$   |  | -            |              | $\vdash$   |
| $\vdash \vdash \vdash$ | 137<br>138  |  | <del>                                     </del> | <del>  -  </del>                                 | $\vdash$   | $\vdash$   | -  | -            | -            | $\vdash$   |
| $\vdash \vdash \vdash$ | 139   |  | $\vdash$   | <del> </del>                                     |  | $\vdash$   | _  |              | -            | $\vdash\vdash$                                   |
| $\vdash \vdash \vdash$ | 140   |  |  | -  | -  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | Н  |
| $\vdash \vdash \vdash$ | 141   | _  | $\vdash$   | -  | $\vdash$   |  | $\vdash$   | $\vdash$     |              |  |
|                        | 142   | _  | $\vdash$   | -  | $\vdash$   | -  | _  | $\vdash$     | $\vdash$     | $\vdash \vdash$                                  |
| $\vdash \vdash \vdash$ | 143   |  | $\vdash$   | $\vdash$   | $\vdash$   | -  |  | -            |              | H  |
| $\vdash$               | 144   | _  |  |  | <u> </u>   |  |  | $\vdash$     |              | Н  |
| $\vdash$               | 145   |  |  | -  |  | <u> </u>   | -  | -            | -            | Н  |
|                        | 146   |  |  | $\vdash$   |  |  |  |              | —            | $\vdash \vdash$                                  |
| ┝╌┤                    | 147   |  |  | $\vdash$   |  |  |  |              | -            | $\vdash \vdash$                                  |
| $\vdash \neg \dashv$   | 148   |  |  | <del>                                     </del> | $\vdash$   |  |  | H            | -            | $\vdash \vdash$                                  |
|                        | 149   |  | -  | -  |  |  |  | _            |              | $\vdash \vdash$                                  |
| $\vdash\vdash\vdash$   | 150   |  | -  | -  | -  |  |  | -            |              | $\vdash \vdash \mid$                             |
|                        | 130   |  |  |  |  | لــــا   |  |              |              |  |